

### Requirements on Oxygen Plants

#### Background

One, and possibly two, oxygen producing plants. General location is 200-500 meters southeast of Persenkovka railroad station and a short distance south of the L'vov-Khodorov-Stanislav rail line.

A. L'vov Oxygen Plant of the Chemical Industry of the USSR (L'vovskiy Kislorodnyy Zavod Khimicheskoy Primyshlennosti SSR). Built in early 1920's; produced industrial and medical oxygen and photographic chemicals. Reportedly began production of liquid oxygen in late 1951. Location about 200 meters southeast of the Persenkovka station. Plant area is reported to be approximately 100 x 200 meters; brick wall 2.5 meters high topped by several strands of barbed wire surrounds plant. Access road enters plant area on north side. Various brick buildings within plant area.

B. Plant No. 31 built in 1953 and began production in late 1954 or early 1954. Produces industrial and medical oxygen, liquid oxygen, and photographic chemicals. Location reported as 500 meters southeast of the Persenkovka station, 300 meters east of the old oxygen plant, and 150-200 meters south of the L'vov-Khodorov-Stanislav rail line. A brick wall surrounds the plant area; height of the wall has been described as 6 feet to 3.5 meters. "Numerous" two and three-story buildings are reported to be inside the wall. A section of Plant No. 31 which supplies oxygen for civilian use is reported to be outside the wall. There is a spur in Plant No. 31 from the L'vov-Stanislav rail line. Both special LOX cars, i.e., hip-roofed, slab-sided box cars, and tank cars resembling those used for POL transport have been observed. It is not clear, however whether POL type cars are now being used for LOX transport. Installations near Plant No. 31 which might aid observers in orientation are Plant No. 100, a storage area for food reserves, and a bicycle factory. Plant No. 100, which includes a six-story cold storage plant as well as smaller buildings with corrugated asbestos roofs, is reportedly adjacent to Plant No. 31, with the road to Sikhuv skirting the northern edge. The exact location of the bicycle factory is unknown but is believed to be near Plant No. 31. Possible LOX cars have been observed at the terminus of trolley bus line No. 6. (Latest available information shows the route of line No. 6 to be as follows: Velosipednyi Zavod /Bicycle factory/- Dityache Mistechno-Stryyskoye Shosse-Prosp. Shevchenka.)

#### Requirements

Confirm location and describe both plants (A. L'vov Oxygen Plant. B. Plant No. 31.) Is there any indication of continued LOX production at the old oxygen plant (A. L'vov Oxygen Plant) as evidenced by the presence of LOX rail cars and trucks? At both plant, describe vehicles and equipment, civilian and military, seen entering, leaving, and parked within the confines of the plants. Description if possible should include motor vehicle numbers, and special markings. Describe military personnel seen at the plants, uniforms, insignia. Describe rail equipment seen within the plant areas or on adjacent sidings. Descriptions, if possible should include car serial numbers, and indication of origin/destination.